

# The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneaky.sri.com. The bulletin may be freely quoted, provided that credit is given.

## Philip Williams, 5W1AU

I am saddened to pass along the news of 5W1AU, who died in Apia, Western Samoa, on September 20 of cancer. Phil activated the 6m 5W1WS beacon just this past spring according to ZL2TPY, Kerry. Kerry saw Phil in Auckland, New Zealand just three weeks ago. Phil will be missed by thousands of DXers. Kerry will try to find a new 6m beacon keeper in Western Samoa.

## 1997 50 MHz DX Marathon Results

Scores were down compared to previous years.

CALL	GRID	OSO	PTS	MULTIPLIER	FINAL SCORE
EH8BPX	IL18	63	9	576	
SM7FJE	JO65	27	15	420	
KM1E	FN53	51	4	208	
YO7VS	KN14	0	10	10	
VE7SKA	CN88	0	9	9	
K6FV	CM87	0	9	9	
XE2HWB	DL44	0	3	3	

The top two winners will receive one year extensions to their subscriptions to the 50 MHz DX Bulletin.

### A Contest Favoring The Southern Hemisphere

## 1997-8 6 mtr DX Marathon

The 50 MHz DX Bulletin is sponsoring a DX Marathon, in which the object is to work 6m stations in as many grid fields ( $10^{\circ} \times 20'$  areas) as possible. (The grid field is the first two letters of a grid square.) The contest period will run from 00Z December 20, 1997 to 00Z January 19, 1998. Only one QSO per station worked should be reported unless either station has changed grid fields, and only one QSO of distance shorter than 2200 km should be reported per grid field. Contacts made through repeaters do not qualify.

It is thus expected that participants will abstract those QSOs qualifying from their regular logs. The only over-the-air exchange required is call signs, but you are expected to log date & time UTC and to report the location or grid square with sufficient accuracy to verify the distance.

Scoring, < 2200 km, 0 points (but multiplier for new grid fields); 2200-3300 km, 1 point; 3300-4400 km, 2 points; 4400-5500 km, 3 points; 5500-6600 km, 4 points; 6600-7700 km, 5 points; 7700-8800 km, 6 points; etc. (one more point for each 1100 km). Final score = (Contact points + 1) X grid fields. Logs should be posted by February 14, 1998 to the 50 MHz DX Bulletin, PO Box 762, Menlo Park, CA 94026 USA.

## ZL 50 MHz Operators Lose Out To TV

Some bad news has come from Bob, ZL3NE. Most Auckland 50 MHz operators tests failed due to TV4's new translator from Sky tower. According to Bob, TV4's coverage area in central Auckland has now changed and the boundary of the coverage area is only 500 m from his house!

Most stations in Auckland can not go below 52 MHz. The only stations who are still on are ZL1ADP from Great Barrier Island {the island adjacent to the Auckland label which I added to the figure below} and ZL1MQ, who can ONLY run 10w and is not permitted to beam NE (Stateside). It will be interesting what happens in the next up and coming F2 openings!

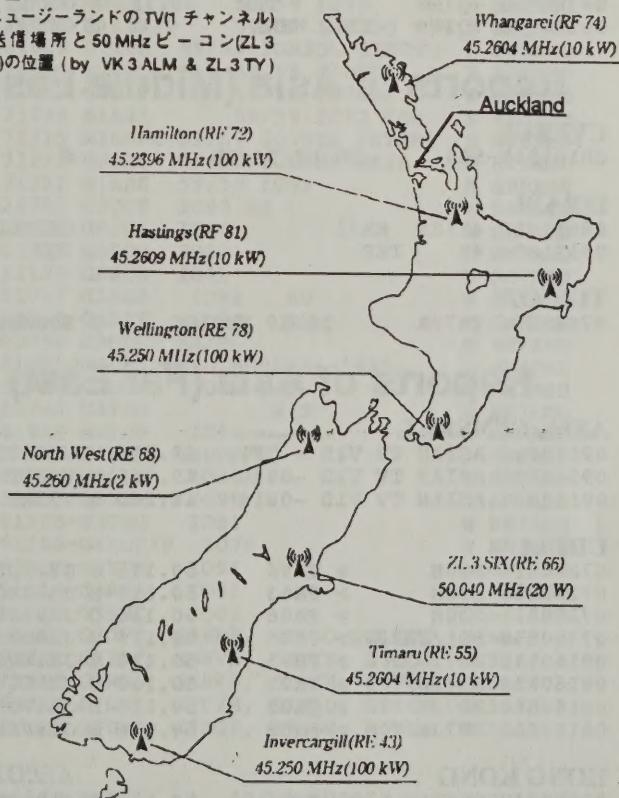
This is very sad for New Zealand as the 6m operators are yet again diminishing, there are still a few of us around on the band but for how long?

73's Mike ZL3TIC

The NICAM digital stereo sound recently added to New Zealand TV broadcasts may render the 51.0-51.1 MHz Pacific DX Window unusable for ZL contacts. Will your rig and antenna work properly at 52 MHz?

第1図

ニュージーランドのTV1チャンネルの送信場所と50MHzビーコン(ZL3SIX)の位置(by VK3ALM & ZL3TY)



TV Channel 1 and ZL3SIX/b locations New Zealand

Figure from October 1997 V.UHF DX Topics in Mobile Ham, editor Hatsuo Yoshida, JA1VOK.

## June-September 97 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of SM7AED's *Six-metre Info*, JA1VOX's columns *World VHF News* in FIVE NINE and *VUHF DX Topics* in MOBIL HAM, GJ4ICD's *Internet Six News* (marked with #), G4UPS, VK3OT, SP5XMU, VE7SKA, EH8BPX, K6QXY, W0MTK, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1997. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, T=Television, W=worked, mode not mentioned, H=heard only.

## Reports of Africa

### EGYPT

08011935 SU1ER KM50

W SM7AED

### LIBYA

09022158 5A28 -2202 52 > IO80 50.128 H G4IGO

### MADEIRA IS.

08171014 CT3FT 59/59 IM13 50.200 S EH8BPX

### MALAWI

09161733 7Q7RM TEP 50.110 W G0CGL  
09161740 7Q7RM -1750 WEAK H G4IGO

## Reports of Asia (Middle East)

### CYPRUS

08101515-5B4 TO UK/PA/DL #

### ISRAEL

08011910 4Z1JA KM72 W SM7AED  
09121854 4X TEP 7Q7

### TURKEY

07040506 YM7PA 59/59 KN91QC S SP5XMU

## Reports of Asia (Far East)

### ASIA, GENERAL

09110800 ASIAN TV VID > QF12 49.750 V VK3SIX  
09140730 ASIAN TV VID -0830 49.750 V V73AT  
09140800 ASIAN TV VID -0814 48.260 V V73AT

### CHINA

07270414 BOOM	> PM94	50.115 S JH2COZ
07270530 BOOM	> PM63	50.115 H JA5CMO
07300311 BOOM	> PM86	50.116 C JA9BHZ
07300350 BO1/JA1JKG	PM86	50.116 S JA9BHZ
08160140 BG7IB/7	> PM95	50.110 S JH1WHS
08160150 BG7IB/7	> PM95	50.110 C JE1TGN
08160648 BD7JA/7	> QM05	50.110 H JA1VOX
08160650 BD7JA/7	> PM53	50.110 S JH6VXP

### HONG KONG

08020109 VR97LC	> PM86	50.130 S JA9BHZ
08020114 VR2IL	> PM86	50.120 S JA9BHZ
08020120 VR2SIX/b	> QM05	50.075 B JA1VOX
08020124 VR2IL	> QM05	50.120 H JA1VOX
08020124 VR97LC	> QM05	50.130 H JA1VOX

08050900 VR2SIX/b	> PL36	50.075 B JR6VSP
08160229 VR2SIX/b	> QM05	50.075 B JA1VOX
08180321 VR97BG	> PM96	50.105 S JN1BPM
09131110 VR2SIX/b	> PL36	50.075 B JR6VSP
09140850 VR2SIX/b	> PL36	50.075 B JR6VSP
09140928 VR2IL	> PL36	50.110 S JR6VSP
09140929 VR2XMT	> PL36	50.110 S JR6VSP
09140930 VR2XMQ	> PL36	50.110 S JR6VSP

### JAPAN

08160835 JA0SUQ/JD1>	QM05	50.130 H JA1VOX
09141045 JR6YAG/b	> QM05	50.037 B JA1VOX
09150017 JR6YAG/b	> QM05	50.037 B JA1VOX

### KOREA,S.

07140456 HL3ENE, HL3QUA, HL2XCI	E8 145 F JG2NIR	
07140458 HL1OLA, HL2KEU, HL2JNA	E8 145 F JG2NIR	
07140502 HL3IB, DS2HUM, DS2HSH	E8 145 F JG2NIR	
07140506 DS2ARN, DS2CBW, DS2HKS	E8 145 F JG2NIR	
07140512 HL2MFF, HL2SYU, DS2GTY	E8 145 F JG2NIR	
07140518 HL2SGA, DS1QGS, HL2XGP	E8 145 F JG2NIR	
07140522 DS1HZL, DS2EDY, DS2GVB	E8 145 F JG2NIR	
07140526 DS1ITS, HL3QVP, DS1CAS	E8 145 F JG2NIR	
07140530 DS2JRP, HL1INJ, HL2SBT	E8 145 F JG2NIR	
07140533 HL2AO, HL1WOU, DS1CCU	E8 145 F JG2NIR	
07140537 HL2MDU, HL2LTL, HL2KDO	E8 145 F JG2NIR	
07140619 HL2XGP	E8 145 F JG2NIR	
08120451 HL1LTC	> PM63	50.110 H JA5CMO
08120455 HL2DJW	> PM63	50.099 H JA5CMO
08160024 DS1BU	> QM05	50.150 H JA1VOX
08160813 HL1LTC	> QM05	50.120 S JA1VOX
08310931 HL1LTC	> PL36	50.110 S JR6VSP
09141015 HL1LTC	> QM05	50.110 S JA1VOX

### RUSSIAN FEDERATION

07170730 RW0CD	> PM86	50.115 C JA9BHZ
07180303 UA0COO	> PM86	50.155 S JA9BHZ
08020843 RW0CD	> QM05	50.110 H JA1VOX
08022327 RW0CD	> QM05	50.110 H JA1VOX
08090118 RW0CD	> QM05	50.110 H JA1VOX
09260830 UA0-TV	350° TEP	49.750 V VK3OT

### TAIWAN

08020010 BV2SR	> QM05	50.110 H JA1VOX
08020224 BV4PH	> PM63	50.125 H JA5CMO
08020225 BV2FG/b	> PM63	50.001 B JA5CMO
08020258 BV2SR	> PM63	50.110 H JA5CMO
08160900 BV4PK	> QM05	50.120 H JA1VOX

## Reports of Europe

### EUROPE, GENERAL

08121200 EUR Video 48 & 49 V VE1PZ#

### ALAND IS.

08031705 OH0KCE JP90 AU W SM7AED

**ALBANIA:** Mike, K5KWG, is QRV as ZA1MH this autumn and winter on 160-10, 6, and 2m, CW/SSB from a remote village where he is working as a missionary setting up radio communications. QSL via Z32KV. Tnx SM7AED.

08101515-ZA TO UK/PA/DL #

### AUSTRIA

07100819 OE8HIK	59/59 JN76KS HEINZ	S SP5XMU
07230929 OE6JUD	59/59 JN76RQ JOHN	S SP5XMU
07230937 OE6BMG	59/59 JN77JE	S SP5XMU
07230941 OE/PE1RCU	59/59 KLARENFURT	S SP5XMU
08111047 OE9MON	JN47	W SM7AED
08120854 OE6MHG	JN77	W SM7AED

### AZORES

08032204 CU7BC	55/51 HM58	50.200 S EH8BPX
0810XXXX CU3URA	TO UK/PA/DL	B #

### BALEARIC IS.

08121215 EH6ADW JM19 W SM7AED

BELGIUM						
07100823 ON1DEY	59/59 JO21BA	S SP5XMU	06081229 G7RIH	59/59 IO91	S SP5XMU	
07111911 ON1DHT	55/52 JO20ON GUY	R SP5XMU	06181602 G4KCT	59/59 IO93 BARRY	S SP5XMU	
07140922 ON1DDG	59/59 JO11 GERDI	S SP5XMU	06181604 G8BRJ	59/59 IO83	S SP5XMU	
07171034 ON1MAS	59/59 JO20	S SP5XMU	06181621 G0VJI	59/59 IO91RP	S SP5XMU	
08090904 ON4KST	JO22 TROPO	W SM7AED	06241238 G1VHX	55/59 IO93	S SP5XMU	
08121200+ON		W VE1PZ#	06241322 G3FDW	59/59 IO84	S SP5XMU	
08141528 ON4CBA	59/58 JO21AA 50.200	S EH8BPX	07100827 GB0GP	59/59 IO92	S SP5XMU	
08141529 ON4FU	51/55 JO21 50.200	S EH8BPX	07100837 G8ABB	59/59 IO91 GEOFF	S SP5XMU	
08251227-ON4PS	JO20	W SM7AED	07100839 2E1ENL	59/59 IO91	R SP5XMU	
0831XXXX ON4GG	, ON4ANT, ON5FU	W 5A28	07100846 M1BLX	59/59 JO02LE PAUL	S SP5XMU	
0831XXXX ON4KST		W 5A28	07100847 G1SDO	59/57 JO01OT ERIC	S SP5XMU	
0907XXXX ON1LGS		W 5A28	07100908 G4BGW	57/59 IO81VK IVAN	S SP5XMU	
			07100909 M1BER	59/59 IO91VI ALAN	S SP5XMU	
			07100913 G3NNK	59/59 JO01NI AL	S SP5XMU	
			07100913 G7PUJ	55/57	S SP5XMU	
			07100918 G8GJO	59/59 JO01AL TONY	S SP5XMU	
			07100919 G4EFE/QRP	55/57 IO91LL	S SP5XMU	
			07100921 G6CYA	59/59 JO01OT ROGER	S SP5XMU	
			07100928 GB2BLE	57/57 IO71 PETER	S SP5XMU	
			07111904 G4LDR	59/59 IO91 NEIL	S SP5XMU	
			07111905 G1RMN	59/59	S SP5XMU	
			07111907 G3TCI	59/59 JO01 ALAN	S SP5XMU	
			07111914 M0BCG	57/59 IO91 IAN	S SP5XMU	
			07111920 2E1FNV	59/59 IO70JF	S SP5XMU	
			07120952 G1SWH	59/59 IO83	S SP5XMU	
			07120953 M0AXK	59/59 IO83MG MIKE	S SP5XMU	
			07120956 G1JDT	59/59 IO83VD GRAHAM	S SP5XMU	
			07120959 G6GDI	55/55 IO83TF	S SP5XMU	
			07121003 G4BVE	59/56 IO83TF	S SP5XMU	
			07121004 G7PJJ	57/55 IO92GV BILL	S SP5XMU	
			07121006 2E1FMM	57/57 IO94	S SP5XMU	
			07121008 M1AFB	59/52 IO92	S SP5XMU	
			07121009 G0OIL	59/59 IO93 DAVE	S SP5XMU	
			07121013 G4IOQ	59/59 IO82 TONY	S SP5XMU	
			07121017 G1GAV	59/59 IO93FK ANDY	S SP5XMU	
			07121036 G8BFL	59/59 IO92BQ	S SP5XMU	
			07121037 G1UTS	59/59 IO83	S SP5XMU	
			07121038 G7BTA	59/59 IO82PB DAVE	S SP5XMU	
			07121042 M1BQX	59/59 IO93XD	S SP5XMU	
			07121200 M/PE1PZS/P	59/59 IN69UW	S SP5XMU	
			07130942 G8NOF	57/59 IO92	S SP5XMU	
			07130948 G8EHS	59/59 IO92	S SP5XMU	
			07130951 G0EYC	59/59 IO93	S SP5XMU	
			07130958 M1AZZ/P	59/59 IO93IQ TOM	S SP5XMU	
			07141020 G7TPL	59/59 IO83QL SIMON	S SP5XMU	
			07171036 G3EDD	59/59 JO02DE	S SP5XMU	
			07171037 G8ELV	59/59 IO92WS	S SP5XMU	
			07171038 M1AZZ	59/59 IO92 TOM	S SP5XMU	
			07171215 M1OAPE	59/59 IO75TA PETER	S SP5XMU	
			07171220 G0ORG	59/59 JO02PB NEIL	S SP5XMU	
			07171222 M1ABK	59/59 IO92	S SP5XMU	
			08020755 G3CCH	IO93 MS	W SM7AED	
			08021125 G7JCI	IO80	W SM7AED	
			08021128 G4IOQ	IO82	W SM7AED	
			08021128 G8HUU	IO81	W SM7AED	
			08031717 G3SKR	IO91 AU	W SM7AED	
			08031723 G4IFX	IO94 AU	W SM7AED	
			08090754 G3CCH	MS/Fe	W SM7AED	
			08101605+G4DEZ, G8VG, MMOALM -1625		HB9AMZ	
			08110755 G3CCH	IO93 M/S	W SM7AED	
			08120749 G4IGO	M/S	W SM7AED	
			08131040 G0TCF	IO94	W SM7AED	
			08141610+G4PZQ, G4UPS/		HB9AMZ	
			08240725 G3CCH	IO93	W SM7AED	
			08251202 G3VXM	IO90	W SM7AED	
			08251205-G3CEG	IO81	W SM7AED	
			08251208-G4XOP/P	IO70	W SM7AED	
			08251211-G3YUM	IO91	W SM7AED	
			08251214-G4RGK	IO91	W SM7AED	
			08251217-G7SNC	JO02	W SM7AED	
			0907XXXX GOOFZ, G3HBR, G4IGO, G1KTZ		W 5A28	
			0907XXXX G3IBI, G3SVD, G3ZYY, G3KOK		W 5A28	
			0907XXXX G3WOS, G6HKM, G3SKR, G3NVO		W 5A28	
			0907XXXX G7DWI, G7UYM, G7ULD, G6ION		W 5A28	
			0907XXXX G7UFO, G7JCI, M0NDN, M0BDB		W 5A28	
ESTONIA						
06241137 ES1RF	59/59 KO29IJ	S SP5XMU				
06241141 ES1CW	59/59 KO29HK ARWO	S SP5XMU				
06241145 ES8JX	59/59 KO28LM ERIC	S SP5XMU				
06241150 ES6RHB	59/59 KO38NE	S SP5XMU				
08031652 ES2RJ/8 KO28	AU	W SM7AED				

08031714	ES1CW	KO29	AU	W	SM7AED
08120744	ES1CW	KO29	M/S	W	SM7AED
08120924	ES6QB		M/S	W	SM7AED
08120928	ES2RJ/8	KO28		W	SM7AED

FAROE ISLANDS

PAROLE ISLANDS 08031747 OY9JD IP62 AU W SM7AED  
08262117 OY9JD 59/59 IP62OA JON S G4UPS

FINLAND

06031824	OH9NDD	59/59	KP26MU	S	SP5XMU	
06032041	OH7KJL	59/59	KP42WO	S	SP5XMU	
06081056	OH5NHI	59/59	KP41CT	S	SP5XMU	
06081113	OH5EK	59/59	KP40AW	S	SP5XMU	
08031638	OH6KLT	KP02	AU	W	SM7AED	
08031716	OH2BC	KP20	AU	W	SM7AED	
08090700	OH9SIX	< 0830			B	SM7AED
08261823	OH6QR	599/599	KP22BN	VILLE	C	G4UPS
08261845	OH1AF	59/55	KP01TK	> IO80	S	G4UPS
08261848	OH1MM	59/59	KP11BG	> IO80	S	G4UPS
08261851	OH3KKW	57/57	KP11WU	> IO80	S	G4UPS
08261855	OH1AYQ	59/59	KP12JB	TIMO	S	G4UPS
08261857	OH3NLP	599/599	KP11RK	JUKKA	C	G4UPS
08261903	OH1SIX	569		> IO80	B	G4UPS
08261907	OH3TR	59/59	KP11WK	> IO80	S	G4UPS
08261914	OH3BNP	57/57	KP20KR	> IO80	S	G4UPS
08261916	OH3XA	59/59	KP20DT	> IO80	S	G4UPS
08261924	OH3MF	59/559	KP20FR	RAUNO	W	G4UPS
08262003	OH6QR	57		> IO80	H	G4UPS

## **FRANCE**

06010840	F5Szb	59/55	IN95UQ	S	SP5XMU
06010844	F5HA	59/59	IN95UQ	S	SP5XMU
06010900	F1GTU	59/59	JN05IE	S	SP5XMU
06141154	F1NNE	59/59	JN16	S	SP5XMU
07100824	F1HUB	59/59	JN09XF	S	SP5XMU
07100825	F6EAS	59/59	IN98	S	SP5XMU
07100916	F5MOO	59/59	JN07 TERRY	S	SP5XMU
07100917	F1JLD	59/59	JN26 ROMAN	S	SP5XMU
07100926	F6BQX	57/59	JN06GT	S	SP5XMU
07131526	F1CBL	59/59	IN94	S	SP5XMU
07131528	F1DUZ	59/59	IN97OI PHILIPPE	S	SP5XMU
07131529	F1BOC	59/59	IN97DG PAUL	S	SP5XMU
07131531	F5FNH	57/57	IN96LD	S	SP5XMU
07140925	F5JLQ	59/59	JOO0WW GEORGE	S	SP5XMU
07140945	F1JKY	55/57	JN25	S	SP5XMU
07141805	F5HRY/P	59/59	IN78VI	S	SP5XMU
07141821	F6HVK	59/59	JN27	S	SP5XMU
07141908	F1MOZ	59/59	JN12GM	S	SP5XMU
07151128	F5BUU	59/59	JN03 JOHN	S	SP5XMU
07161931	F5JDG	55/53	JN23ND	S	SP5XMU
08030908	F5BYM	59/59	IN94KO 50.200	S	EH8BPX
08031458	F6BWO	579-->0	> IO92	C	G4UPS/
08051145	F1PUX	JN16		W	SM7AED
08101549+F1CBL	59		> IO92		G4UPS/
08101551	F1CBL	IN94		W	SM7AED
08101633	F1AHO	59/59	JN37QR JEAN	S	G4UPS/
08120816	F1DVO	M/S		W	SM7AED
08121425	F5BYM	59/59	IN94 50.200	S	EH8BPX
08141727	F1MXE	59	> IO92		G4UPS/
08160920	F1CBL	55/55	IN94SU 50.200	S	EH8BPX
08160944	F1COG	51/55 JN08	50.200	S	EH8BPX
08160949	F6BSJ	51/51	JN26MP 50.200	S	EH8BPX
08251222-F1DVO	JN09			W	SM7AED
0831XXXX	F1YJ			W	5A28
0901XXXX	F8OP, F6BSJ, F8CS, F8DO			W	5A28
0907XXXX	F1BBK, F6HRP, F1AKE			W	5A28
0907XXXX	F1BOC, F1FRS			W	5A28

## GERMANY

07100925	DL5GAC	59/59	JN47SS	S SP5XMU
08031830	DF1AN	JO63	AU	W SM7AED
08031832	DL1SUZ	JO53	AU	W SM7AED
08050747	DL1SEW	JN49		W SM7AED
08110718	DL4MDQ	JN58	M/S	W SM7AED
08121200+DL				W VE1PZ#
08121434	DL9YEY	59/57	JO41	50.200 S EH8BPK
08281612	DL8SET	59/59	JN48OV HANS	S G4UPS
08281638	DK4CD	599/519	JO52TC > IO80	C G4UPS
0831XXXX	DL8PM			W 5A28
0901XXXX	DK2EA, DL0HEL			W 5A28

## GREECE

06171726	SV8DTD	57/59	KM39GB	PERCLIF	S	SP5XMU
08090900	SV1OH	KM17			H	SM7AED
08100902	SV8DTD	KM39			W	SM7AED
08101652+SV1OE		KM17			H	SM7AED
08111308	SV1DH	KM27			W	SM7AED
08121912	SV1DH	KM27			W	SM7AED

## IRELAND

06081206	EI7GL	59/59	IO51TU	S SP5XMU
08021130	EI6DFB	IO52		W SM7AED
08111240	EI8HZ	IO64		W SM7AED
08121826	EI3EBB	IO51		W SM7ARD

## ISLE OF MANN

06071814 GD4IOM 59/59 IO74QD S SP5XMU

## ITALY

06030920	I1AXE	59/59	JN34 AXEL	S	SP5XMU
06031513	IW5JWQ	59/59	JN52NS	S	SP5XMU
06171122	IW9DSW	59/59	JM76MW MORIS	S	SP5XMU
06171150	IK8MRA	59/59	JN70ES	S	SP5XMU
06171151	IK2XRL	59/59	JN45NR MARCO	S	SP5XMU
06171153	IK2GSO	59/59	JN45NP ENRICO	S	SP5XMU
06171758	IW0RMO/ISO	59/59	JN40TG	S	SP5XMU
06172022	IW0UP	59/55	JM49	S	SP5XMU
06172217	IW0KNX	59/59	JN62IQ	S	SP5XMU
06220838	IW5AFB	59/56	JN62NS JO	S	SP5XMU
07090745	IK8MRA/8	59/59	JO70LL	S	SP5XMU
07120821	IW5PBC	59/59	JM42V	S	SP5XMU

07100911	IW3BAS	59/59	JN55	S	SP5XMU	
07100929	IK2ZVU	59/59	JN4500	S	SP5XMU	
07141535	IW0RMO	59/55	JN63JN	S	SP5XMU	
07141607	IK8YQO	59/59	JN70GR	S	SP5XMU	
07141608	IW8BOW	59/59	JN70GR	S	SP5XMU	
07150759	IR0MFP	59/59	JN63	IK0AZG	S	SP5XMU
07161857	IW3EA	59/59	JN65CQ	BOB	S	SP5XMU
07161859	IK2IQD	59/59	JN45OT		S	SP5XMU
07170942	IZOANH	55/59	JN61FH		S	SP5XMU
07170950	IK4FMT/4	59/59	JN44		S	SP5XMU
07170952	I0KHY	59/59	JN61IU		S	SP5XMU
07170954	IW1QNK	59/59	JN33XU		S	SP5XMU
07171035	IW5BHU	59/59	JN54		S	SP5XMU
07171036	IK5CYN	59/59	JN53		S	SP5XMU
07171040	IN3KCV	59/59	JN56NB		S	SP5XMU
07171042	IN3JJI	59/59	JN56NB		S	SP5XMU
07171211	IK2RHH	59/59	JN45		S	SP5XMU
07171211	IW5EA	59/59	JN54AG	PIERRO	S	SP5XMU
07171212	IW5DRA	59/59	JN53AV	MIKE	S	SP5XMU
07171213	I1ZL	59/59	JN44CV	LIVIO	S	SP5XMU
07171216	IK5WWF	59/59	JN53DV	ALBERTO	S	SP5XMU
07171217	IW2BNA	59/59	JN45OM		S	SP5XMU
07171334	I2PY	59/59	JN55NP		S	SP5XMU
07212138	I2IPE	59/59	JN55	PETER	S	SP5XMU
07230823	IW8DRG/8	59/59	JM79		S	SP5XMU
07230919	IW3RDM	59/59	JN65TS	LOUIS	S	SP5XMU
08011123+I24BEG	55	-1245	>	I080	G4UPS	
08012030	IK7XGF	JN71			W	SM7AED
08031042	IK0FTA	JN61			W	SM7AED
08031443	IK5JWQ	57/55	JN52NS	BEPPO	S	G4UPS/
08031446	IW3HRV	579/579	JN65EU	SANTE	C	G4UPS/
08050747	IK6HCX	JN63			W	SM7AED
08101513	IW3RVM	59/59	JN65QQ	EU-130	S	G4UPS/
08101513+I0VHL	57		>	I092	G4UPS/	
08101513+I3ZJQ	59+		>	I092	G4UPS/	
08101549+IV3LNQ	59		>	I092	G4UPS/	

08101625	I4LCK/4	579/559	JN54PD	C	G4UPS/
08101645	IK2GWH	59/57	JN45PQ PAUL	S	G4UPS/
08101652	IK0FTA	JN61		W	SM7AED
08111059	IN3JJI	JN56		W	SM7AED
08120652	IK5RLP	JN52	M/S	W	SM7AED
08120847	IW9DSW	JM76		W	SM7AED
08121240	I3LLH			W	VE1PZ
08140842	IW0GIV	JN61FV		W	SM7AED
08140843	IK6PBW	JN62		W	SM7AED
08140845	IW0RFK/6	JN63		W	SM7AED
08141100	IW0URM	JN40		W	SM7AED
08141710+	IK3EIW	59	> IO92	G4UPS/	
08141729	IK3OCD	589/589	JN65BL> IO92	C	G4UPS/
08141729+	IV3LNQ	59	> IO92	G4UPS/	
08170940	IW4CJN	55	> IO92	G4UPS/	
08250717	IK0FTA	JN61		W	SM7AED
08250725	I2WSG			W	SM7AED

08270957 IW0BCE 59/59 JN61JW ANTHONY S G4UPS  
 08270959 IK0FTA 59/59 JN61GV SERGIO S G4UPS  
 08271000 I2ADN 59/59 JN45 ANGELO S G4UPS  
 08271013 IW5AFB 55/56 JN52NS JO S G4UPS  
 08281438 IW0GIV 59/57 JN61FW RAY S G4UPS  
 08281438+IK5JWQ 59++ > IO80 H G4UPS  
 08281445 IOAMU 59/59 JN61FV AL> IO80 S G4UPS  
 08281522 IK2DUV 59/59 JN45KO GEORGE S G4UPS  
 08281526 I4YMB 59/59 JN54ES NICK S G4UPS  
 0907XXXX IW1CGB W 5A28

#### JERSEY IS.

0907XXXX GJ4ICD, GJ8ORH W 5A28

#### LATVIA

08101107 YL/DJ1OJ KO36 M/S W SM7AED  
 08111427 YL/DJ1OJ HB9AMZ  
 08121109 YL/DJ1OJ KO36 W SM7AED

#### LIECHTENSTEIN

08101549 HB0/HB9QQ 59/59 JN47SC>IO92 S G4UPS/  
 08111048 HB0/HB9QQ JN47 W SM7AED

#### MACEDONIA

08111300 Z32BU KN01 W SM7AED

#### MALTA

06171104 9H5PG 57/58 JM75FV TANO S SP5XMU  
 06171107 9H1XX 59/59 JM75FV DL2GBT S SP5XMU  
 08030730 9H5PG JM75 H SM7AED  
 08101636 9H1JL JM75 W SM7AED  
 08120905 9H5IP JM75 W SM7AED  
 08121014 9H3XV JM76 W SM7AED  
 0830XXXX 9H5EE W 5A28  
 0902XXXX 9H1BT, 9H1PA W 5A28

#### MARKET REEF

06041542 OJ0/DL5IO 59/59 JP90NH S SP5XMU

#### NETHERLANDS

06031358 PE1KLQ 59/59 JN33JF S SP5XMU  
 06041120 PA3ADA 53/51 JO22LJ S SP5XMU  
 06181605 PE1RCU 59/59 JO21UU S SP5XMU  
 07100814 PE1PAZ 59/57 JO22VJ S SP5XMU  
 07100815 PE1AMN 59/59 JO21MQ PETER S SP5XMU  
 07100818 PA3DYY 59/59 JO21 S SP5XMU  
 07100821 PE1RER 59/59 JO22SA HENK S SP5XMU  
 07100826 PE1RPZ 59/59 JO21 S SP5XMU  
 07100845 PE1RNT 59/59 JO11SL S SP5XMU  
 07100923 PE1RPy 57/57 JO21DV S SP5XMU  
 07100934 PE1NKT 59/59 JN33 KEEs S SP5XMU  
 07171210 PE3BOE/QRP 58/59 JO22OC RONIS SP5XMU  
 08031735 PA2VST JO22 AU W SM7AED  
 08031834 PA3FBM JO22 AU W SM7AED  
 08031837 PA3GML JO22 AU W SM7AED  
 08110706 PA0RDY JO22 M/S W SM7AED  
 08121200+PA W VE1PZ  
 08141523 PA3EKK 51/51 JO32HB 50.200 S EH8BPX  
 08141526 PA3AXU 57/57 JO21TV 50.200 S EH8BPX  
 08141527 PA3GML 59/59 JO22 50.200 S EH8BPX  
 08141528 PE1PTQ 52/55 JO22 50.200 S EH8BPX  
 08141534 PI9RNW 55/51 50.200 S EH8BPX  
 0831XXXX PE1PZS W 5A28  
 0901XXXX PA0HIP W 5A28  
 0907XXXX PA0JMH, PE1OUC W 5A28

#### NORTHERN IRELAND

06081236 GI4SNA 59/59 IO64XM S SP5XMU  
 08111246 GI0KOW IO64 W SM7AED  
 08121828 GI6ATZ IO74 W SM7AED

#### NORWAY

06040606 LA7QHL 59/59 JO59KW S SP5XMU  
 06181722 LA0BY 59/59 JO59FW S SP5XMU  
 08020903 LA/SM6CMU JP79 W SM7AED  
 08090700 LA7SIX TROPO? < 0830 B SM7AED  
 08100741 LA5KO/P JP41 TROPO W SM7AED  
 08110604 LA5KO/P JP41 TROPO W SM7AED  
 08141531 LA0HB 55/55 JO28UX 50.200 S EH8BPX  
 08261943 LA8OW 559/559 JP51 > IO80 C G4UPS

#### POLAND

06021945 SP5ELA 59/59 KO02LG S SP5XMU  
 06041638 SQ5EBJ 59/59 KO02ME JACEK S SP5XMU  
 06220657 SP6GZZ/8 51/51 KN19MM S SP5XMU  
 07141905 SP7BCA 58/56 KO01BW TOMEK S SP5XMU  
 08011123+SR5SIX 579 > IO80 B G4UPS  
 08031739 SP2NJE JO92 AU W SM7AED  
 08090758 SP2IQW JO84 TROPO W SM7AED  
 08090932 SP2DDV JO93 TROPO W SM7AED  
 08111350 SP5LCC/9 KN01 W SM7AED  
 08120554 SP2JXN JO94 TROPO W SM7AED  
 08120604 SP6GZZ M/S W SM7AED  
 08120746 SP6ASD JO61 TROPO W SM7AED  
 08121208 SP5LCC/9 KN09 M/S W SM7AED  
 0901XXXX SP2GLS W 5A28

#### PORTUGAL

08030904 CT1HB 55/55 IN50XS 50.200 S EH8BPX  
 08031455 CT1ETT 579/569 IN51RE> IO92 C G4UPS/  
 08031510 CT0WW 599 < 1525 > IO92 B G4UPS/  
 08090750 CS1ACP 449 > IO92 B G4UPS/  
 08090750 CT0WW 599 > IO92 B G4UPS/  
 08101502 CT0WW 599, CS1ACP 559 B G4UPS/  
 08101502 CT1AL 59/59 IN60AQ ADE S G4UPS/  
 08141230 CS1ACP B VE1PZ#  
 08271013+CS1ACP 579 BUT NOT CT0WW B G4UPS  
 08271013+CT1HB 59 > IO80 H G4UPS  
 08271100 CT1BES 57 -1430 > IO80 H G4UPS

#### ROMANIA

06040557 Y07VS 59/59 KN14VH DICK S SP5XMU  
 07230814 Y04BZC 59/59 KN45AK S SP5XMU  
 08100942-Y07BSW HB9AMZ  
 08110823 Y07BSN KN15 W SM7AED

#### RUSSIAN FEDERATION

06041319 RA3YO 59/59 KO73DG S SP5XMU  
 06101718 R1MVI/4J 59/59 KP40HP OH5NE S SP5XMU  
 08101032 UA1WJ KO47 W SM7AED

#### SARDINIA

07090742 IS0/IW1CGB 59/59 JM49 S SP5XMU  
 07131156 IS0AGY/P 59/59 JM48LW S SP5XMU  
 07151133 ISOBKD 59/59 JN40GS PAOLO S SP5XMU  
 07161436 IM0/I2ADN 59/59 JN41RG S SP5XMU  
 08050930 IM0JZJ JM49 W SM7AED  
 08140840 ISOSIX -1130 B SM7AED

#### SCOTLAND

06031712 GM3JIJ 59/59 IO68 S SP5XMU  
 06031828 GM0HBF 59/59 IO67 CHARLIE S SP5XMU  
 06071838 GM0ICF/P 59/59 IO85 S SP5XMU  
 06071851 GM4ISM 59/59 IO85 S SP5XMU  
 06081023 GM2HIY 57/59 IO86 S SP5XMU  
 06230949 GM1EHK 57/57 IO86IE DAVID S SP5XMU  
 07161608 GM4ENK 59/59 IO99IW PAUL S SP5XMU  
 08031732 GM4SFU IO77 AU W SM7AED  
 08120757 GM1ZJP/P IO89 W SM7AED  
 08121200+GM W VE1PZ  
 08131040 GM3JIJ W SM7AED

#### SERBIA

06040651 YT1BT 59/59 KN02 S SP5XMU  
 08011925 YU1OO KN02 W SM7AED  
 08012044 YU1QC 599 -2045 > IO80 G4UPS  
 08111025 YU1AT KN04 W SM7AED  
 08141600 YU Es 144 H G41CD#  
 08141610+YT1AU <1750 HB9AMZ  
 08141610+YU1AA, YU1AU <1750 HB9AMZ  
 08141729+YU1ABA 579 > IO92 G4UPS/  
 08141729+YU6SIX JN92JJ > IO92 G4UPS/

#### SICILY

06171235 IT9PMZ 59/59 JM68PE S SP5XMU

#### SLOVAKIA

08120855 OM1TF JN88 W SM7AED  
 08141610+OM2DX <1750 HB9AMZ

#### SLOVENIA

07100820 S57EA 59/59 JN76HE S SP5XMU

07230921	S51AG	59/59	JN65TM	MILOSZ	S	SP5XMU
07230928	S51UF	59/59	JN76UP		S	SP5XMU
08101607	S52AU	599/599	JN76LB	BORUT	C	G4UPS/
08120653	S51UF	M/S			W	SM7AED
08121200+S5					W	VE1PZ

## SPAIN

06010800	EH5YB/P	59/59	JN01XG		S	SP5XMU
06181112	EH5CN	59/59	JN11BI		S	SP5XMU
07131421	EH/SP1MVA	55/56	JN12	MM	S	SP5XMU
07141653	EH5DIT	59/59	IM99CD		S	SP5XMU
08011123+EH3CUU	599	>	IO80		B	G4UPS
08031152	EH5DIT	IM99			W	SM7AED
08031212	EH7AH	IM67			H	SM7AED
08031345	EH1EH	IN82			W	SM7AED
08031352	EH2AWD/MM	IN75			W	SM7AED
08090718	EH1EH	599/599	IN82	> IO92	C	G4UPS/
08090809	EH1TA	59/55	IN52SI	JOE	S	G4UPS/
08090811	EH1KV	559/559	IN52	> IO92	C	G4UPS/
08101513+EH7AH	59	>	IO92		G4UPS/	
08101648	EH1EH	599/599	< 1715		C	G4UPS/
08121200+EH					W	VE1PZ#
08121635	EH7AH	59	-1700		H	G4UPS/
08141610+EH3CUU						HB9AMZ
08141710	EH3CUU	579	> IO92	B	G4UPS/	
08141729+EH3CUU	599	> IO92	B	G4UPS/		
08160956	EH3LL	59/59	JN01NE	50.200	S	EH8BPX
08240715	EA	STRONG	INBAND	TV	I	SM7AED
08240726	EH1EH	IN82			W	SM7AED
08251145	EH1EH	CLG	CQ	USA	H	SM7AED
08271013+EH3CUU	599	-1430	> IO80	B	G4UPS	
08271013+EH7AH	59,	EH1EH	57	> IO80	H	G4UPS
08271205	EH4EHI	59	-1430	> IO80	H	G4UPS
08281759	EH5DIT	57	-1830	> IO80	H	G4UPS
08281759+EH3CUU	599	-1830	> IO80	B	G4UPS	
08281830	EH5YB/3	59/59	JN01XG	VINCENTS	G4UPS	

## SVALBARD

08221830	JW7SIX	-1940	INTO G AND DL	B	#	
0825XXXX	JW8GV			W	G4IFX #	
08262025	JW7SIX	339-449	QSB	> IO80	B	G4UPS
08262025	JW7SIX	VY	STRONG	> IO91	B	G3HBR

## SWEDEN

06040610	SM7URQ	59/59	J077MJ	CHRIS	S	SP5XMU
06041527	SM7WZC	55/55	J066KF		S	SP5XMU
06041802	SM5TSP	57/58	JP90CE	LARS	S	SP5XMU
07131138	SK6DG	59/59	J067GW	JONAS	S	SP5XMU
08031706	SM3BIU	JP73	AU		W	SM7AED
08031719	SM3EVR	JP82	AU		W	SM7AED
08031755	SM5UFB	JO78	AU		W	SM7AED
08090700	SK3SIX	< 0830			B	SM7AED
08100700	SK3SIX	TROPO			B	SM7AED
08101351	SM7FJE	59/57	JO65ML	50.200	S	EH8BPX
08110630	SM2LKW	KP05	M/S		W	SM7AED
08120802	SM0KAK/0				W	SM7AED
08121526	SK7NM				W	VE1PZ#
08130754	SM7AED	559/449			C	G4UPS/
08170723	SM7FJE	579/559	BO	> IO92	C	G4UPS/
08261916+SM5GJQ	55	VY	QSB	> IO80	G4UPS	
08261948	SM2MGQ	449	QSB	> IO80	H	G4UPS
08310721	SM7FJE	579		> IO80	H	G4UPS
09262314-SK4MPI	LOUD	> JP33VC	AUR		LA7DFA	

## SWITZERLAND

06141414	HB9HLM	59/59	JN36KX		S	SP5XMU
07161901	HB9RNO	58/59	JN56JE		S	SP5XMU
08101504	HB9OAB	59/59	JN46ME	> IO92	S	G4UPS/
08111041	HB9OAB	JN46ME			W	SM7AED
08121122	HB9AOF	JN36			W	SM7AED
0907XXXX	HB9HFK				W	5A28

## WALES

06041117	GW6JNE	59/59	IO81		S	SP5XMU
06071735	GW4BVY/P	59/59	IO81		S	SP5XMU
07100844	GW3SYL	57/59	IO81		S	SP5XMU
07121032	2W1EEN	59/59	IO83MB		S	SP5XMU
07171219	GW8MHG	59/59	IO81IM	ROLAND	S	SP5XMU
08021131	GW1DJI/P	IO83			W	SM7AED
08031727	GW0GEI	IO73	AU		W	SM7AED
0907XXXX	GW3MOY				W	5A28

## Reports of North America

This month's TV and FM DX reports via Es were submitted by Danny Oglethorpe, Shreveport, LA; William Eckberg, Dixon, IL; and Frank Aden, Jr., N7SOK, Boise, ID.

### CANADA, Eastern

08061600	CBLTT	5	ON	CBC		T OGLETHORPE
08121319	VE1PZ	FN85	IN	FOR 2.5 HR	W	SM7AED
08121430	VE1PZ	59+	INTO G/GJ/I		*	
08121740	CKCO2	2	ON		1103	T OGLETHORPE
08121750	CBFT5	2	PQ	FRENCH	1414	T OGLETHORPE
09040150	VE3	EN58	>	EN34 AU	144	W WOOHU

### CANADA, Western

08100130	CKND2	2	MB		1279	T OGLETHORPE		
08140150-VE7						K6QXY		
082111512	VE7SKA	CN88	GEORGE	50.125	W	WOMTK		
09040140	VE6EMU	DO33	> CN88	AU	B	VE7SKA		
09040140	VE6TA	DO31	> CN88	AU	C	VE7SKA		
09141503	VE6EMU	80°	AUE	DO33	50.041	B	VE7SKA	
09141507	VE6NA	85°	AUE	DO20	50.125	S	VE7SKA	
09141510	VE5LY	85°	AUE	DO70	50.125	S	VE7SKA	
09150600	VE6EMU	> DO33	AU	50.041	B	VE6MK		
09150600	VE8SIX	CP38	> DO33	AUE	B	VE6MK		
09150600	VE8WD	DP22	> DO33	AU	B	VE6MK		
09150600-VE5UF	DO61	> DO33	AU	144	W	VE6MK		
09180203	VE6EMU	30°	DO33>CN88	AU.041	B	VE7SKA		
09180215	VE6JMB	30°	DO31	AU	50.125	S	VE7SKA	
09180253	VE6ARC	30°	DO05	AU	50.044	B	VE7SKA	
09180257	VE5UF	30°	DO61	WKG	VE6	AU	H	VE7SKA
09180304	VE6NA	30°	DO20		50.135	C	VE7SKA	
09180346	VE6JW				50.125	H	VE7SKA	

### CUBA

07232030	CUBA	2	CUBA	> IL		T ECKBERG
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### GUATEMALA

08300345	TG9AWM	THRU LOCAL RPTR	144	H	PY2YZQ
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### HONDURAS

08300345	HR1AAB	TEP	> GG66	144	W	PY2YZQ
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### MEXICO

07161830	XEFE	2	TA	> IL	1149	T ECKBERG
08070015	XE	2	XEW			T OGLETHORPE
08071659	XHAP	2	GUER		1142	T OGLETHORPE
08071715	unIDs	2,4	TV7,XEW			T OGLETHORPE
08071915	XHFM	2	VER		995	T OGLETHORPE
08071930	XHFA	2	SO		1010	T OGLETHORPE
08072000	XEPM	2	CHIH		746	T OGLETHORPE
08081805	unIDs	2,4,5	MEXICO			T OGLETHORPE
08081826	XHHHN	2	OAX		1050	T OGLETHORPE
08081830	XHFM	2	VER		950	T OGLETHORPE
08201820	unID	2	TV7 IN BAR			T OGLETHORPE
08271935	unIDs	2,4,5	MEXICO			T OGLETHORPE
08300345	XE	MEX.CITY THRU RPTR	144	H	PY2YZQ	
09232050	XE BEACON	59+			50.022	B LW5EJU

### United States, W2

08041612	WTVH	5	NY		1212	T OGLETHORPE
08041615	WGRZ	2	NY		1091	T OGLETHORPE
08061538	WTVH	5	NY		1212	T OGLETHORPE
08061608	WGRZ	2	NY		1091	T OGLETHORPE
08311454	W2/K8ZES	FN02	> FN35	TROPO	H	VE2PIJ

### United States, W3

08041610	WTAE	4	PA		945	T OGLETHORPE
08041616	KDKA	2	PA		945	T OGLETHORPE
08061540	WTAE	4	PA		945	T OGLETHORPE
08061603	KDKA	2	PA		945	T OGLETHORPE
08121725	WMAR	2	MD		1072	T OGLETHORPE

### United States, W4

07232100	WFOR	4	FL	> IL	1229	T ECKBERG
07232100	WPBT	2	FL	> IL	1229	T ECKBERG
07232115	WEDU	3	FL	> IL	1031	T ECKBERG
08021630	WCBD	2	SC		805	T OGLETHORPE
08021640	WCIV	4	SC		805	T OGLETHORPE
08021640	WCSC	5	SC		805	T OGLETHORPE

08021700	WRAL	5 NC	896 T OGLETHORPE	08041745	KFYR	5 ND	1063 T OGLETHORPE
08021705	WUND	2 NC	1031 T OGLETHORPE	08041800	KSTP	5 MN	869 T OGLETHORPE
08021710	WUNC	4 NC //WUND	875 T OGLETHORPE	08041800	KWSE	4 ND	1206 T OGLETHORPE
08031425	WUND	2 NC	1031 T OGLETHORPE	08041830	KGFE	2 ND	1086 T OGLETHORPE
08061545	WESH	2 FL > IL	983 T ECKBERG	08041833	KXMA	2 ND	1110 T OGLETHORPE
08061600	WEDU	3 FL > IL	1031 T ECKBERG	08041928	KIVV	5 SD	987 T OGLETHORPE
08131407	WESH	2 FL	789 T OGLETHORPE	08061805	KCNC	4 CO	806 T OGLETHORPE
08131500-W4	TN		K6QXY	08061805	KOAA	5 CO 5/30	763 T OGLETHORPE
08201650	WFOR	4 FL	939 T OGLETHORPE	08100210	KXMA	2 ND	1110 T OGLETHORPE
08201650	WPBT	2 FL	939 T OGLETHORPE	08101630	KTCA	2 MN	869 T OGLETHORPE
09202100-W4	> FI07 GUAYAQUIL		W HC2FG	08111800	KLNE	3 NE > ID	T N7SOK

#### United States, W5

07161630	KPRC	2 TX > IL	893 T ECKBERG	08260212+NOPVT	< 0436	K6QXY	
07161655	KBTX	3 TX > IL	856 T ECKBERG	08270310	KXMA	2 ND	W WOMTK
07161700	KRGV	5 TX > IL	1189 T ECKBERG	08270330-W0	CO, KS, MO		1110 T OGLETHORPE
07161800	KMID	2 TX > IL	967 T ECKBERG	08271433	KWGN	2 CO	K6QXY
08061915	4,5 NM	Albuquerque	764 T OGLETHORPE	08271500-W0	CO		806 T OGLETHORPE
08061720	KASA	2 NM	753 T OGLETHORPE	08271500-WOMTK			K6QXY
08131500-W5	TX, NM		K6QXY				B K6QXY
08270330-W5	TX, NM		K6QXY				
08271500-W5	NM		K6QXY				
09202100-W5	> FI07 GUAYAQUIL		W HC2FG				

#### United States, W6

09090333	K6FV	CM87 > CN88	50.069 B VE7SKA				
09090335	W6/W7LVO	CM87 180°	50.125 S VE7SKA				
09091246	K?	2 ?? -1346	weak 55.26 V ZK1AA				

#### United States, W7

08041959	KTVQ	2 MT	1215 T OGLETHORPE				
08042000	KTWO	2 WY	996 T OGLETHORPE				
08061635	KSL	5 UT & 2,4	1160 T OGLETHORPE				
08061650	KNAZ	2 AZ	1045 T OGLETHORPE				
08061720	KMOH	6 AZ OV/KTAL	1181 T OGLETHORPE				
08061720	KVVU	5 NV	1238 T OGLETHORPE				
08070232	KVOA	4 AZ	1004 T OGLETHORPE				
08070240	KPHO	5 AZ	1065 T OGLETHORPE				
08140150-W7	WA		K6QXY				
08140150-W7WKR			B K6QXY				
08211519	K7TRE	CN87 CLAUDE	W WOMTK				
08211715	N7TGF	CN88 GEO	50.173 W WOMTK				
08211730	NC7LEL	ERIC	50.173 W WOMTK				
08271418	KUTVT	2 UT BRIEF	T OGLETHORPE				
09071445	W7GJ	DN27 -1500 DN27	50.125 H WOMTK				
09141514	W7HAH	90° AUE DN28	50.061 B VE7SKA				

#### United States, W8

08041430	WJBK	2 MI	904 T OGLETHORPE				
08041455	WNEM	5 MI	943 T OGLETHORPE				
08041520	WTOM	4 MI 7&4	1042 T OGLETHORPE				
08041540	WDIV	4 MI	904 T OGLETHORPE				
08041617	WCMH	4 OH	795 T OGLETHORPE				
08061550	WDIV	4 MI	904 T OGLETHORPE				
08061600	WTOM	4 MI	1042 T OGLETHORPE				
08061610	WJBK	2 MI	904 T OGLETHORPE				
08120135	WJBK	2 MI M/S	904 T OGLETHORPE				
08131607	WJBK	2 MI	904 T OGLETHORPE				
08260212+KC8DMN	< 0436		W WOMTK				
08260212+WA8YXT	< 0436		W WOMTK				
09040150	W8 EN66, EN82	> EN34 AU	144 W WOOHU				
09202100-W8	> FI07 GUAYAQUIL		W HC2FG				

#### United States, W9

08041555	WBBM	2 IL	737 T OGLETHORPE				
08041700	WBAY	2 WI	892 T OGLETHORPE				
08041716	WFRV	5 WI	892 T OGLETHORPE				
08260212+KB9NJE,	N9PEZ < 0436		W WOMTK				
08260212+KB9RCL,	KB9OVE < 0436		W WOMTK				
08260212+N9TOC	< 0436		W WOMTK				
08260212+W9IK,	KB9PUC < 0436		W WOMTK				
08260212+WA9FVP,	KB9MGV < 0436		W WOMTK				
08270330-W9	IL		K6QXY				

#### United States, W0

07290300	KLNE	3 NE > ID	T N7SOK				
08041701	WCCO	4 MN	870 T OGLETHORPE				
08041715	KXJB	4 ND	1028 T OGLETHORPE				
08041723	KGAN	2 IA	672 T OGLETHORPE				
08041726	KTIV	4 IA	712 T OGLETHORPE				
08041729	KDLT	5 SD	815 T OGLETHORPE				

08041745	KFYR	5 ND					
08041800	KSTP	5 MN					
08041800	KWSE	4 ND					
08041830	KGFE	2 ND					
08041833	KXMA	2 ND					
08041928	KIVV	5 SD					
08061805	KCNC	4 CO					
08061805	KOAA	5 CO 5/30					
08100210	KXMA	2 ND					
08101630	KTCA	2 MN					
08111800	KLNE	3 NE > ID					
08131500-W0	KS						
08260212+NOPVT	< 0436						
08270310	KXMA	2 ND					
08270330-W0	CO, KS, MO						
08271433	KWGN	2 CO					
08271500-W0	CO						
08271500-WOMTK							

## Reports of Oceania

#### AUSTRALIA-VK4-Queensland

08160644 VK4TL > QM05 50.110 H JA1VOK

#### AUSTRALIA-VKS-Northern Territory

09011150	VK8VF	> PM63	50.057 B JA5CMO
09011150	VK8VF	-1210 > PM63	50.057 B JA5CMO
09021210	VK8VF	> PM63	50.057 B JA5CMO
09021210	VK8VF	-1310 > PM63	50.057 B JA5CMO
09101230	VK8VF	539 180°	50.056 B JH4JPO
09111232	VK8VF/b	> PL36	50.075 B JH4JPO
09211150	VK8VF	519 180°	50.056 B JH6VXP
09211200	VK8VF	> PL36	50.057 B JR6VSP
09211201	VK8RH	519-529	50.110 H JH4JPO
09211203	VK8MS	> PL36	50.130 S JR6VSP
09211208	VK8PN	> PL36	50.120 S JR6VSP
09211217	VK8MS	53 180°	50.130 JH6VXP
09211217	VK8PN	> PL36	50.120 S 7J6CCU
09211221	VK8RH	> PL36	50.120 S 7J6CCU
09211225	VK8MS	52-59 180°	50.140 JA6QGG
09211228	VK8RH	> PL36	50.120 S JR6VSP
09211237	VK8MS	> PL36	50.140 S 7J6CCU
09231054	VK8VF	weak 180°	50.057 B JH6VXP
09231142	VK8VF	519 TEP 180°	50.056 B JH4JPO
09251248	VK8MS		50.140 VR2XMT
09261140	VK8VF	559 TEP 180°	50.056 B JH4JPO
09261207	VK8MS	180°	50.110 JH6VXP
09261220	VK8RH	180°	50.110 JH6VXP

#### HAWAIIAN IS.

08270650	KFVE	5 HI Honolulu	77.25 V ZK1AA
08270650	KGMV	3 HI Wailuku	61.25 V ZK1AA
08270650	KH6HME	HI	B ZK1AA
08270650	KHBC	2 HI Hilo	55.25 V ZK1AA
08270650	KHON	2 HI -1150	55.26 V ZK1AA
08270650	KITV	4 HI Honolulu	67.24 V ZK1AA
08280843	KHBC	2 HI Hilo to CH 5	V ZK1AA
08280843	KHON	2 HI -1113	55.26 V ZK1AA
08290548	KHON	2 HI -1216	55.26 V ZK1AA
08300530	KH6HME	HI & TV to ch 5	B ZK1AA
08300530	KHON	2 HI -1110	55.26 V ZK1AA
08310645	KH6HME	HI	B ZK1AA
08310645	KHON	2 HI -1045	55.26 V ZK1AA
09010630	KH6HME	HI	B ZK1AA
09010630	KHON	2 HI -0910	55.26 V ZK1AA
09011447	KHON	2 HI -1617 weak	55.26 V ZK1AA
09020746	KH6HME	HI	B ZK1AA
09020746	KHON	2 HI -0946	55.26 V ZK1AA
09021448	KHON	2 HI -1548	55.26 V ZK1AA
09030550	KH6HME	HI & TV to ch 5	B ZK1AA
09030550	KHON	2 HI -1055	V ZK1AA
09050445	KH6JOI		50.110 W V73AT
09050505	KH6HME	HI & TV to ch 5	B ZK1AA
09060800	KH6HME	HI & TV to ch 5	B ZK1AA
09060800	KHON	2 HI -1330	V ZK1AA
09070630	KH6HME	HI & TV weak	ch 5 V ZK1AA
09070630	KHON	2 HI -1200	55.26 V ZK1AA
09071440	KHON	2 HI -1540	55.26 V ZK1AA
09080415	KH6YK	60°	50.110 V73AT
09080415	KH6HME, KH6HI		B V73AT

09080826	KH6HME	HI & TV to ch 5	B	ZK1AA
09080826	KHON	2 HI -1410 STRONG	V	ZK1AA
09090700	KHON	2 HI -1246 CD 55.26	V	ZK1AA
09091435	KHON	2 HI -1635 55.26	V	ZK1AA
09100625	KH6HME	HI & TV to ch 5	B	ZK1AA
09100625	KHON	2 HI -1135 55.26	V	ZK1AA
09110835	KHON	2 HI -1245 CD 55.26	V	ZK1AA
09111433	KHON	2 HI -1603 weak 55.26	V	ZK1AA
09120700	KH6HME	HI & TV to ch 5	V	ZK1AA
09120700	KHON	2 HI -0735 55.26	V	ZK1AA
0913XXXX	KHBC	2 HI & TV to ch 5	V	ZK1AA
0913XXXX	KHON	2 HI 3 hrs weak 55.26	V	ZK1AA
09140400	KH6/K6GSS	50.110	V	V73AT
09140400	KH7R 60°	BL01 xKH6HH 50.110	V	V73AT
0914XXXX	KH6HME	HI & TV to ch 5	B	ZK1AA
0914XXXX	KHON	2 HI 3 hrs weak 55.26	V	ZK1AA
09150500	KH6HME	HI & TV to ch 5	B	ZK1AA
09150500	KHON	2 HI -1230 55.26	V	ZK1AA
09170600	KH6HME	HI & TV to ch 5	B	ZK1AA
09170600	KHON	2 HI -1220 55.26	V	ZK1AA
09190612	KH6HME	HI & TV to ch 5	B	ZK1AA
09190612	KHON	2 HI -1212 55.26	V	ZK1AA
09191500	KHON	2 HI -1600 55.26	V	ZK1AA
09210510	KH6HME	HI & TV to ch 5	B	ZK1AA
09210510	KHON	2 HI -1110 55.26	V	ZK1AA
09230530	KH6HME	HI & TV to ch 5	B	ZK1AA
09230530	KHON	2 HI -1130 55.26	V	ZK1AA
09240635	KH6HME	HI & TV to ch 5	B	ZK1AA
09240635	KHON	2 HI -1145 55.26	V	ZK1AA
09240700	KH6H1 & KH6HME 040°		B	YJ8UU
09250640	KH6HME	HI & TV to ch 5	B	ZK1AA
09250640	KHON	2 HI -1125 55.26	V	ZK1AA
09260605	KH6HME	HI & TV to ch 5	B	ZK1AA
09260605	KHON	2 HI -1253 55.26	V	ZK1AA
09270728	KHBC	2 HI Hilo to CH 5	V	ZK1AA
09270728	KHON	2 HI -1228 55.26	V	ZK1AA

#### MARSHALL IS.

09050451 V73AT 240° 50.110 KH7R

#### MinamiToriShima

08060928	JD1BIY QL64 > PM85	50.110 H	JE2DWZ
08110848	JD1BIY > PM63	50.110 H	JA5CMO
08160636	JD1/JA0SUQ QL64>PM53	50.155 S	JH6VXP

## Reports of South America

#### ARGENTINA

09192300	LU8EWD, LU3EMK	-0030	W	WP4O
09192300+LU5DDX,	LU1DMA	-0030	W	WP4O
09192300+LU5JAU,	LU7FA	-0030	W	WP4O
09192300+LU8EWD,	LU9EHF	-0030	W	WP4O
09192300+LW6EWQ,	LU2EGQ	-0030	W	WP4O
09192300+LW7DWW,	LU3CGG	-0030	W	WP4O
09230030+LU9EWD	-0100 > FK68		W	WP4O
09230030+LW5EJU	-0100 > FK68		W	WP4O
09230030+LW6EUQ	-0100 > FK68		W	WP4O
09232050	LW5EJU		50.110 W	WP4O

#### BRAZIL

09192300+PY5CC		-0030	W	WP4O
09230030+PY5CC		-0100 > FK68	W	WP4O

#### ECUADOR

09202100 HC2FG 59+ FI07 W CO2OJ

#### URUGUAY

09192300+CX6DH,	CX1AO, CX4AAJ	-0030	W	WP4O
09230030+CX4AAJ	-0100 > FK68		W	WP4O

## EME News

Bob Mangnani, K6QXY, writes that his new EME array is up and works very well. It consists of four 13 el 3λ Yagis stacked 37' horizontally and 35' vertically. He calculates the gain as 19.7 dBd, and he can hear his own echoes from the moon most any time.

He reports working the following stations:

7/22 W7XU four 2λ M<sup>2</sup> stacked vertically on 190' tower.  
 8/19 W7EME (Idaho) E-W Sterba curtain with 15+ dBd gain  
 9/16 W7GJ 7 el Yagi 1.75λ long, 70' high  
 9/17 VE1ZJ 6 el Cushcraft Boomer about 20' high  
 9/17 GD0TEP four 7 el Create Yagis

The GD0TEP contact was the first GD to W6 QSO that they know of, and country #107 for K6QXY. It looks like he can work a single Yagi station with a kW and ground gain.

## DX Operations Upcoming/Ongoing

YC0UVO, Indonesia: promised to be on in early September with a new antenna for 6. He remarks that their beacon, YB0ZZ, is still on 50.0425 running 5W to a GP.

9M2TO, West Malaysia: Tex, ex JA0DMV, is now QRV with an IC-551 + 150W PA and 4 el beam 30m up.

SV5BYR, Dodecanese Is.: is in KM46CF with a new Ten-Tec transverter and 5 el Yagi. Tnx 4Z5JA via SM7AED.

EM1KA, Antarctica: will be QRV from the Ukrainian research base at Vernadsky for another year with the possibility of some 6m operation from there. QSL via JA2JPA.

YK1AO, Syria: Omar has received official permission to operate on 50-54 MHz, but will not be QRV until 1998.

D2AI, Angola: CT4KO will try to schedule some 6m activity along with his HF and RS-12 satellite activity. QSL via CT1EGH.

6W1QV, Senegal: from IK14 with a TS690 and 5 el Yagi up 25m. QSL via F6FNU.

KM4MQG/XE3, Cozumel: was to be QRV with 100W and a 3-el beam from the 12th (top) floor of his hotel on the island of Cozumel (Mexico) September 6-12. Did anyone work him on 6m?

## Beacon News

KA0CDN: 50.065 DM79 20W Double ring halo @ 30'

VE6XIS: A note from John Kirk indicates that we can strike VE6XIS off the list permanently as he has been unable to find a home for it far enough away from cordless phones. "With two other beacons in VE6, the motivation to find such a site diminishes."

WG8T: 50.070, 1W to dipole.

KD4AOZ: 50.061 EM83.

GB3IOJ: 50.065, now using a "V" antenna with preferred directions E/W.

W5VAS: 50.060 EM40 +/- 110W to a Squalo @350' runs for ~45 sec and shuts down for about 35-40 sec. Tyrone, N5XES.

F05JL, F05OK: 144.150 {I usually don't list beacons on bands other than 6m, but these are designed for TEP/Tropo to the USA (an ambitious undertaking).} F05JL is on Moorea, BH52GQ. A short transmission is made every 5 minutes at 10 wpm with a Yaesu FT480R, 10W to a Tonna 9el Yagi oriented at 30°. The F05OK beacon on Tahiti uses an Icom 970H with two 9el Yagis oriented at 33°. Please advise by fax at (011)689 533849 if you hear anything.